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Atlantic Provinces

Provinces de l'Atlantique

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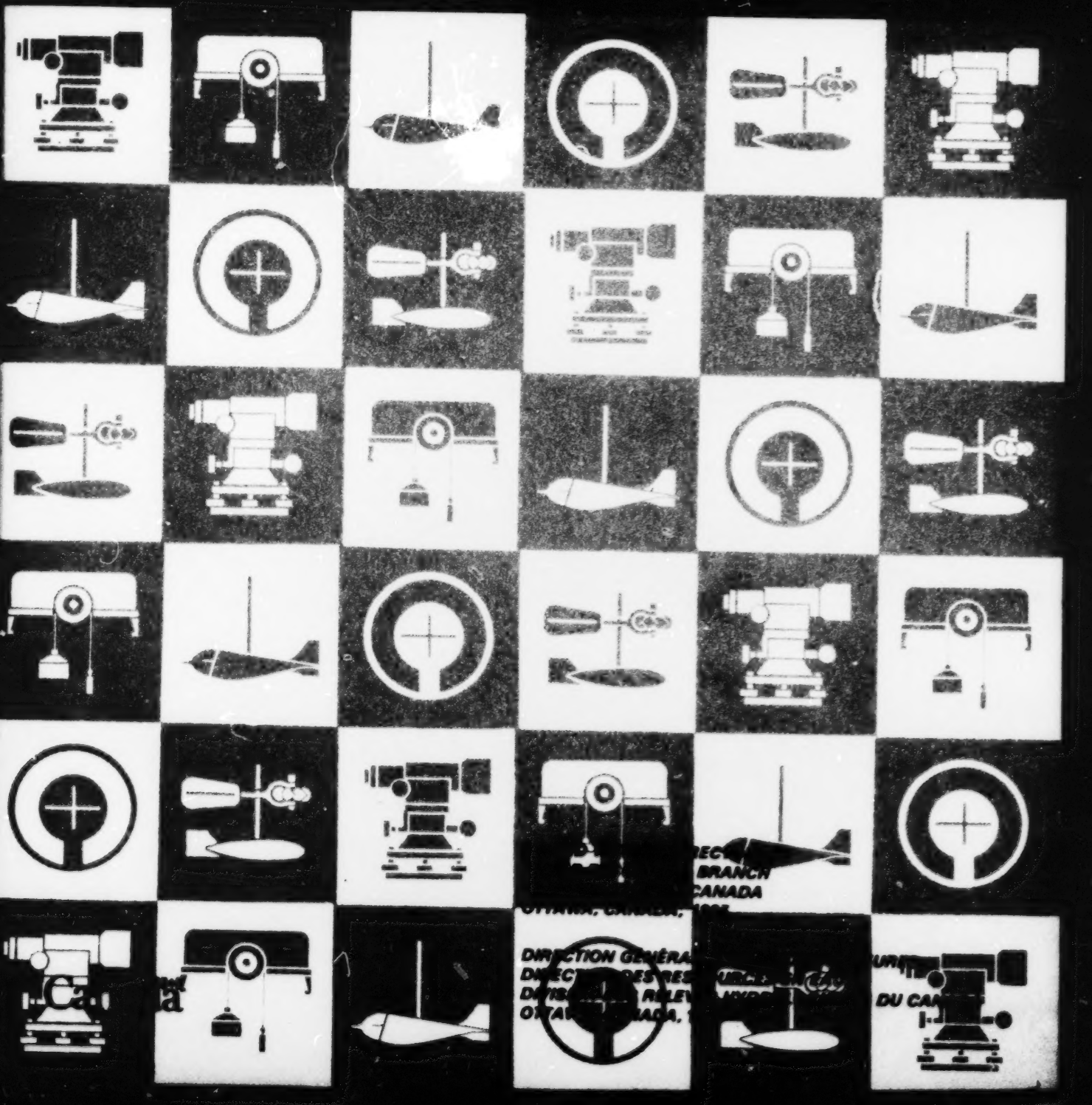

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Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

Environment Canada Environnement Canada

Historical Water Levels Summary

Atlantic Provinces

Sommaire chronologique des niveaux d'eau

Provinces de l'Atlantique

TO/JUSQU'À **1983**

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1985

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1985

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Cat. No. En 36-409/1-1983

ISBN 0-662-53455-7

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Nº de cat. En 36-409/1-1983

ISBN 0-662-53455-7

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Dartmouth, Nova Scotia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Dartmouth (Noúvelle-Écosse).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean water levels and annual extremes of water levels for lakes and rivers in Newfoundland and Labrador, New Brunswick and Nova Scotia for which water level data to 1983 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Water level data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
3rd Floor, Queens Square,
45 Alderney Drive,
Dartmouth, Nova Scotia.
B2Y 2N6

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles des niveaux d'eau et des extrêmes annuels de lacs et de cours d'eau de Terre-Neuve, du Labrador, du Nouveau-Brunswick et de la Nouvelle-Écosse, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1983 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur les niveaux d'eau sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice Queens Square, 3e étage
45, prom. Alderney
Dartmouth (Nouvelle-Écosse)
B2Y 2N6

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Newfoundland and Labrador, New Brunswick, Nova Scotia and Prince Edward Island were conducted by the Water Survey of Canada under individual co-operative arrangements with each provincial government or its agency. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

In Nova Scotia, from 1915 to 1919, hydrometric investigations were conducted by the Dominion Water Power Branch in co-operation with the Nova Scotia Water Power Commission. A similar co-operative arrangement was made in 1918 with the Province of New Brunswick. On May 1, 1919, new agreements were made between the Government of Canada and the Provinces of New Brunswick and Nova Scotia and an initial agreement made with the Province of Prince Edward Island whereby the Dominion Water Power Branch, which later became the Dominion Water and Power Bureau, assumed responsibility for basic water resources investigations in the three provinces. Although these arrangements were terminated on March 31, 1933, work was continued by the Federal Government under letter arrangements with the Provinces of New Brunswick and Nova Scotia. Work was discontinued in the Province of Prince Edward Island in 1933.

A new agreement with the Province of New Brunswick came into effect on April 1, 1951, and in 1961, a further agreement for the extension of hydrometric coverage was concurred in. A new agreement with the Province of Prince Edward Island was made in 1961 and hydrometric records were commenced in August. A co-operative agreement covering hydrometric surveys in Newfoundland and Labrador was ratified by both governments on March 24, 1950.

Co-operative agreements were negotiated with the four provinces (implementation date in each case was April 1, 1975) and signed by Prince Edward Island January 28, 1975, New Brunswick February 24, 1975, Newfoundland and Labrador February 25, 1975, and Nova Scotia April 28, 1975. The agreements provide that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Écosse et dans l'Île du Prince-Édouard en vertu d'accords conclus avec chaque province ou un de ses organismes provinciaux. Les autorités provinciales ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

De 1915 à 1919, la Direction fédérale de l'énergie hydraulique et la *Nova Scotia Water Power Commission* ont entrepris des recherches hydrométriques en Nouvelle-Écosse. La Direction a signé une entente semblable en 1918 avec le Nouveau-Brunswick. Le 1er mai 1919, le gouvernement du Canada a conclu de nouveaux accords avec le Nouveau-Brunswick et la Nouvelle-Écosse et un premier accord avec l'Île du Prince-Édouard, aux termes desquels la Direction fédérale de l'énergie hydraulique, devenue plus tard le Bureau fédéral de l'eau et de l'énergie, assumait la responsabilité des études de base sur les ressources en eau des trois provinces. Les accords ont pris fin le 31 mars 1933; toutefois, en vertu de lettres d'entente, le gouvernement fédéral a continué d'exécuter les observations pour les provinces du Nouveau-Brunswick et de la Nouvelle-Écosse. Il a dû abandonner les recherches relatives à l'Île du Prince-Édouard, en 1933.

Un nouvel accord avec le Nouveau-Brunswick est entré en vigueur le 1er avril 1951, suivi, en 1961, d'un autre qui visait à en élargir la portée. En 1961, le gouvernement fédéral a signé un nouvel accord avec la province de l'Île de Prince-Édouard, et les relevés hydrométriques ont débuté en août de la même année. Les deux paliers de gouvernement ont conclu un accord pour les relevés hydrométriques à Terre-Neuve et au Labrador le 24 mars 1950.

Le gouvernement fédéral a signé des accords (qui sont tous entrés en vigueur le 1er avril 1975) avec l'Île du Prince-Édouard, le 28 janvier 1975; avec le Nouveau-Brunswick, le 24 février 1975; avec la Terre-Neuve et le Labrador, le 25 février 1975; et avec la Nouvelle-Écosse, le 28 avril 1975. Selon les dispositions des accords, le gouvernement fédéral s'occupera du programme de relevés hydrométriques dans chacune des provinces et partagera avec elle le coût des mesures.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies which have contributed data for publication are identified herein under individual stations.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record to 1976 for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement allant jusqu'en 1976, pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent

the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948–1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a new biennial publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une nouvelle série de publications paraissant tous les deux ans et intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

EXPLANATION OF HISTORICAL WATER LEVELS SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean water levels. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical water level data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Water Levels Summary publications contain data for both active and discontinued water level stations and do not contain any discharge data. These publications will be published every two years and will contain data for all water level stations for the entire period of record not just the data for the intervening two years.

B. Method of Tabulation of Data

For gauging stations where systematic water level data have been obtained, the following are given for the period of record to 1983 inclusive:

1. Summary of monthly and annual mean water levels;
2. Annual maximum instantaneous water levels;
3. Annual maximum and minimum daily water levels;
4. Identification of the extreme recorded for the period of record;
5. Datum to which water levels are referred.

The following standard symbols are used opposite the daily stage to which they apply. These symbols will not appear opposite the monthly and annual mean water levels, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DES NIVEAUX D'EAU*

A. Description générale

On trouve les renseignements descriptifs pour une station des relevés des niveaux d'eau, sous l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur les niveau d'eau, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique des niveaux d'eau* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le débit n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés des niveau d'eau pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique des niveaux d'eau, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1983 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la période d'observation;
5. Le plan de référence auquel les niveaux d'eau sont reportés.

Les symboles normalisés donnés ci-après sont inscrits à côté des niveaux d'eau quotidiens auxquels ils se rapportent. Les symboles ne sont fournis ni avec les niveaux d'eau moyens mensuels, ni avec les niveaux d'eau moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1980.

1. *The summary of monthly and annual mean water levels* gives:

   (a) the monthly mean in metres for each month for which there is a complete month of daily water levels. Records of daily water levels for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

   (b) the annual mean water level in metres if there are daily water levels for the complete year;

   (c) the mean of all the monthly means;

   (d) the mean of all the annual means.

2. *The annual maximum instantaneous water level* in metres is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily water levels* in metres are given for each year where daily water levels have been obtained for the entire year or where they are considered to be valid for the year even though some daily water levels are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The datum to which the water levels are referred* is shown following both the "Summary of Monthly and Annual Mean Water Levels" table; and the "Annual Extremes of Water Levels" table. If the water levels are referenced to a second datum, this datum is also shown with the conversion factor.

   Occasionally, the water level records at a station are collected for two or more periods for which the water levels cannot be referenced to a common datum. In this case, the datum to which the water levels are referred is shown following each period, and a message is printed at the bottom of the tables, indicating that the water levels are referred to several unrelated datums.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1980.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean water levels) donne:

   (a) la moyenne mensuelle, exprimée en mètres, des valeurs quotidiennes des niveaux d'eau pour le mois entier. Pour les stations où on n'a mesuré les niveaux d'eau quotidiens que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

   (b) la moyenne annuelle, en mètres, pour les stations où on a obtenu des relevés quotidiens pour une année entière;

   (c) la moyenne de toutes les moyennes mensuelles;

   (d) la moyenne de toutes les moyennes annuelles.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous water level), exprimées en mètres, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant les niveaux quotidiens.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily water levels), exprimées en mètres, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière, les valeurs sont fournies si elles sont valables pour l'année en cause.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le plan de référence auquel les niveaux d'eau* sont reportés est fourni à la suite de l'extrait des moyennes mensuelles et annuelles et du tableau des valeurs extrêmes. Si les niveaux d'eau ont trait à un deuxième plan de référence, ce dernier est également indiqué même que la constante de conversion.

   Il arrive que les relevés des niveaux d'eau effectués à une station s'appliquent à plus d'une période d'observation de sorte qu'ils ne peuvent être reportés à un même plan de référence. En pareil cas, le plan de référence auquel les niveaux d'eau sont reportés est fourni pour chacune des périodes d'observation et un message imprimé à la suite des tableaux indique que les niveaux d'eau ont trait à plusieurs plans de référence différents.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1980, are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data (water level data) referred to herein depends upon the type of gauge, stability of gauge, accuracy of observation, measurement of reference datum, computation procedures and interpretation of records. Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A and E. In general, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only (especially for small or flashy streams) or those obtained by estimation.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1980 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques (données sur le niveau des eaux) dont on parle ici, sont basés sur le type de jauge, la stabilité de la jauge, la précision des observations, la mesure de la donnée de référence, l'évaluation des procédés et l'interprétation des chiffres. À cause de toutes ces variables, on a normalisé, pour des fins d'uniformité de présentation, le nombre de chiffres significatifs, mais ceci ne reflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A et E. En général, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus exactes que celles qui sont obtenues par estimation ou qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

WATER LEVEL DATA / DONNÉES SUR LES NIVEAUX D'EAU

NEWFOUNDLAND AND LABRADOR

CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS - STATION NO. 03OE007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	4.017	---	---	---	1980
1982	---	---	---	---	---	---	---	---	---	3.510	3.871	---	---	1982
1983	---	---	---	5.886	5.884	3.913	---	3.589	3.676	3.967	4.146	5.883	---	1983
MEAN	---	---	---	5.886	5.884	3.913	---	3.589	3.676	3.826	4.008	5.883	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 53 14 57 N
LONG 60 48 08 W REGULATED

CHURCHILL RIVER BELOW GULL ISLAND RAPIDS - STATION NO. 03OE006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	4.952	5.628	---	---	5.133	---	---	---	1978
1981	---	---	---	---	---	---	5.885	5.235	4.840	5.074	5.128	5.174	---	1981
1983	---	---	---	---	---	---	---	4.852	4.754	---	---	---	---	1983
MEAN	---	---	---	---	---	4.952	5.856	4.948	4.797	5.104	5.128	5.174	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 53 58 21 N
LONG 61 26 16 W REGULATED

CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS - STATION NO. 03OE004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	0.808	---	2.131	---	1978
1979	---	0.550	5.659	5.261	---	-1.002	-1.276	0.678	-0.036	0.256	0.818	2.316	---	1979
1980	2.078	---	---	---	---	1.300	1.026	0.337	---	---	---	---	---	1980
MEAN	2.078	0.550	5.659	5.261	---	0.099	-0.135	0.508	-0.036	0.532	0.818	2.224	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 2.010 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 53 14 48 N
LONG 60 42 38 W REGULATED

REMARKS - GSC DATUM ESTABLISHED BY S.N.C.-LAVLIN NFLD. LTD IN 1978

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 03OE005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	1.085	0.878	0.836	---	1978
1979	2.894	3.870	---	---	---	---	---	---	---	---	1.075	---	---	1979
1980	---	2.882	---	---	---	---	1.223	0.675	0.580	0.884	0.823	---	---	1980
1981	---	4.330	1.444	---	---	1.908	---	---	---	1.019	1.048	1.003	---	1981
1982	---	---	---	---	---	---	1.008	0.827	0.450	-0.068	0.088	---	---	1982
1983	---	---	---	0.830	2.220	0.848	0.483	0.228	---	0.822	0.773	0.875	---	1983
MEAN	2.894	3.384	1.444	0.830	2.220	1.378	0.905	0.614	0.520	0.748	0.732	0.801	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 0.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 53 14 38 N
LONG 60 48 34 W REGULATED

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 03OE005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	5.177 ON FEB 18 *	0.336A ON SEP 12 *	1982
1983	---	---	---	1983

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 0.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEWFOUNDLAND AND LABRADOR

MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION - STATION NO. 03OA002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	448.17	448.05	448.52	448.28	448.06	448.76	448.46	448.52	448.38	448.54	448.56	448.60	448.37	1955
1956	448.85	448.76	448.60	448.53	448.72	448.81	448.17	448.48	448.64	448.52	448.54	448.60	448.61	1956
1957	448.53	448.58	---	448.53	448.85	448.78	448.53	448.58	448.57	448.55	448.60	448.70	---	1957
1958	448.72	448.72	448.70	448.53	448.45	448.55	448.58	448.61	448.61	448.62	448.63	448.62	448.62	1958
1959	448.67	448.61	448.38	448.08	448.37	448.60	448.64	448.63	448.68	448.73	448.76	448.76	448.58	1959
1960	448.76	448.76	448.56	448.21	448.33	448.08	448.58	448.61	448.62	448.60	448.70	448.75	448.54	1960
1961	448.75	448.53	448.35	448.36	448.31	448.58	448.58	448.62	448.65	448.78	448.75	448.70	448.42	1961
1962	448.71	448.48	448.89	448.37	448.48	448.05	448.68	448.67	448.71	448.65	448.78	448.65	448.40	1962
1963	448.67	448.38	448.10	448.58	448.51	448.58	448.59	448.58	448.66	448.74	448.78	448.65	448.42	1963
1964	448.78	448.44	448.82	448.38	448.00	448.56	448.64	448.63	448.62	448.66	448.78	448.65	448.43	1964
1965	448.61	448.61	448.12	448.35	448.33	448.57	448.68	448.62	448.68	448.65	448.75	448.60	448.41	1965
1966	448.60	448.63	448.64	448.06	448.00	448.64	448.68	448.66	448.67	448.67	448.78	448.61	448.60	1966
1967	448.63	448.68	448.48	448.62	448.68	448.49	448.61	448.63	448.65	448.70	448.87	448.77	448.62	1967
MEAN	448.68	448.56	448.23	448.68	448.84	448.36	448.58	448.60	448.62	448.65	448.70	448.73	448.46	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 54 27 16 N
LONG 66 37 30 W REGULATED

DATA CONTRIBUTED BY -
IRON ORE COMPANY OF CANADA LIMITED

MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION - STATION NO. 03OA002

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1955	---	450.49 ON NOV 24 *	447.98 ON MAY 18	1955
1956	---	449.75 ON APR 24	448.83 ON MAY 20	1956
1957	---	---	---	1957
1958	---	449.75 ON JAN 25	448.42 ON MAY 8	1958
1959	---	449.65 ON NOV 15	448.93 ON MAY 3	1959
1960	---	449.79 ON FEB 3	448.17 ON JUN 13	1960
1961	---	449.82 ON SEP 26	448.17 ON APR 30	1961
1962	---	449.82 ON OCT 31	447.98 ON MAY 17	1962
1963	---	449.88 ON DEC 26	447.98 ON MAY 13	1963
1964	---	449.88 ON JAN 1	448.17 ON APR 29	1964
1965	---	449.85 ON JAN 1	447.87 ON MAY 7 *	1965
1966	---	449.85 ON FEB 8	448.81 ON MAY 11	1966
1967	---	449.85 ON JAN 1	448.45 ON MAY 4	1967

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST GRAND LAKE AT FOREST CITY - STATION NO. 01AR005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	131.242	131.181	131.100	131.502	132.105	132.212	---	131.817	131.579	131.441	131.555	131.553	---	1969
1970	131.533	131.707	131.785	132.078	132.473	132.380	132.280	132.137	131.974	131.788	131.604	131.520	131.937	1970
1971	131.372	131.361	131.401	131.578	132.368	132.273	132.087	131.774	131.327	131.027	130.903	130.887	131.528	1971
1972	130.833	130.808	130.988	131.325	132.078	132.431	132.301	132.018	131.780	131.481	131.482	---	---	1972
1973	131.805	---	---	132.010	132.498	132.485	132.302	132.320	132.090	131.871	131.546	131.525	---	1973
1974	---	131.707	131.815	131.910	132.415	132.487	132.423	132.173	131.857	131.484	131.278	131.584	---	1974
1975	131.621	131.598	131.559	131.708	132.187	132.298	132.105	131.751	131.516	131.282	131.288	131.493	131.898	1975
1976	131.576	131.905	131.973	132.403	132.619	132.363	132.182	132.230	131.848	131.711	131.691	131.679	132.047	1976
1977	131.787	131.852	131.572	131.915	132.180	132.358	132.288	131.995	131.728	131.784	131.685	131.927	131.928	1977
1978	132.101	131.861	131.613	131.861	132.050	131.871	131.816	131.663	131.488	131.323	131.248	131.188	131.638	1978
1979	131.401	131.618	131.809	132.362	132.485	132.408	132.145	132.027	131.888	131.856	131.984	131.975	132.008	1979
1980	131.871	131.803	131.705	132.023	132.338	132.316	132.222	132.158	131.980	131.790	131.677	132.178	132.028	1980
1981	131.984	131.874	132.141	132.378	132.383	132.264	132.027	131.813	131.783	132.118	132.281	132.220	132.116	1981
1982	131.824	131.704	131.470	131.891	132.210	132.068	131.918	131.858	131.715	131.482	131.510	131.783	131.792	1982
1983	131.838	131.822	131.908	132.338	132.398	132.364	132.222	132.158	131.718	131.322	131.323	132.012	131.883	1983
MEAN	131.661	131.627	131.810	131.938	132.307	132.311	132.183	131.988	131.783	131.572	131.583	131.714	131.880	MEAN

WATER LEVELS REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

LOCATION - LAT 45 38 54 N
LONG 67 44 10 W REGULATED

EAST GRAND LAKE AT FOREST CITY - STATION NO. 01AR005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	132.241 AT 2047 EST ON JUN 16	132.237 ON JUN 17	131.058 ON MAR 21	1969
1970	132.582 AT 2328 EST ON MAY 18 *	132.573 ON MAY 18 *	131.442 ON FEB 2	1970
1971	132.430 AT 1003 EST ON MAY 10	132.423 ON MAY 9	130.880 ON NOV 26 *	1971
1972	132.484 AT 0127 EST ON JUN 16	132.481 ON JUN 16	130.898 ON FEB 13	1972
1973	132.536 AT 0734 EST ON MAY 23	132.533 ON MAY 2	131.488 ON OCT 30	1973
1974	132.538 AT 1328 EST ON JUN 23	132.530 ON JUN 22	131.341 ON NOV 20	1974
1975	132.381 AT 1359 EST ON JUN 20	132.378 ON JUN 20	131.188 ON NOV 10	1975
1976	132.582 AT 0043 EST ON MAY 21	132.573 ON MAY 21	131.585 ON JAN 25	1976
1977	132.570 AT 1055 EST ON JUN 22	132.564 ON JUN 22	131.533E ON MAR 13	1977
1978	---	132.164A ON JAN 16	131.171 ON DEC 17	1978
1979	132.535 AT 2322 EST ON JUN 1	132.531 ON JUN 1	131.187 ON JAN 1	1979
1980	132.388 AT 1844 EST ON MAY 22	132.385 ON MAY 20	131.689 ON MAR 17	1980
1981	132.612 AT 1000 EST ON APR 12	132.604 ON APR 12	131.644 ON SEP 18	1981
1982	132.305 AT 2228 EST ON APR 29	132.305 ON APR 29	131.358 ON NOV 4	1982
1983	132.620 AT 0255 EST ON APR 28	132.617 ON APR 28	131.195 ON NOV 2	1983

WATER LEVELS REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

A - MANUAL GAUGE E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AG010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	1.155	---	---	---	---	---	---	---	---	---	---	---	1980
1981	1.287	---	---	---	---	1.973	1.498	1.834	---	2.131	2.480	---	---	1981
1982	---	1.313	1.313	2.883	---	1.488	1.248	1.260	1.478	1.288	1.743	1.811	---	1982
1983	1.488	1.358	1.840	3.183	3.508	2.353	1.327	1.118	0.988	1.083	1.708	2.698	1.888	1983
MEAN	1.378	1.274	1.578	3.023	3.508	1.898	1.325	1.434	1.231	1.494	1.870	2.255	1.888	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 54 30 N
LONG 66 15 31 W REGULATED

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AG010

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	3.591 AT 0200 AST ON APR 19	3.573 ON APR 19	---	1980
1981	4.388 AT 1358 AST ON APR 12	4.383 ON APR 12	1.088 ON FEB 2	1981
1982	3.009 AT 0802 AST ON MAY 1	---	---	1982
1983	3.140 AT 1301 AST ON APR 28 *	3.130 ON APR 28 *	0.886 ON SEP 20 *	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW BRUNSWICK

GRAND FALLS LAKE AT GRAND FALLS - STATION NO. 01AR013

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	81.985	81.857	81.656	81.642	81.550	81.778	81.584	81.616	81.887	---	1980
1981	81.777	81.846	81.784	81.945	81.671	81.501	81.628	81.575	81.608	81.574	81.614	81.635	81.638	1981
1982	81.808	81.816	81.695	81.716	81.715	81.621	81.707	81.684	81.684	81.468	81.735	81.685	81.727	1982
1983	81.780	81.849	81.736	81.846	81.685	81.637	81.778	81.557	81.706	81.475	81.490	81.901	81.717	1983
MEAN	81.816	81.802	81.672	81.889	81.827	81.678	81.689	81.702	81.715	81.551	81.738	81.897	81.700	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 16 30 N
LONG 67 39 46 W REGULATED

GRAND FALLS LAKE AT GRAND FALLS - STATION NO. 01AR013

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980			---	1980
1981	82.131 AT 1721 EST ON APR 13	82.118 ON APR 13		1981
1982	82.288 AT 0710 EST ON SEP 26 *	82.288 ON SEP 26 *	81.348 ON OCT 18	1982
1983	82.030 AT 1830 EST ON JAN 8	82.027 ON JAN 8	81.285 ON NOV 1	1983
	82.080 AT 1205 EST ON NOV 26	82.034 ON NOV 26	81.172 ON NOV 5 *	

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AG003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	2.132	1.432	0.945	0.885	0.925	1.207	1.315	1.267	---	1965
1966	1.068	1.116	1.577	2.480	2.668	1.525	1.097	---	---	1.230	1.527	1.481	---	1966
1967	1.209	1.020	1.015	---	---	1.538	1.221	1.014	1.350	1.608	1.350	1.675	---	1967
1968	1.177	1.508	1.458	3.535	2.208	1.142	1.018	0.834	0.777	0.884	1.178	1.502	1.430	1968
1969	1.084	1.071	1.133	2.410	3.688	1.818	1.243	1.190	1.421	1.287	---	---	---	1969
1970	1.488	1.677	1.176	1.861	3.508	1.897	1.364	1.228	1.202	1.783	1.684	1.309	1.701	1970
1971	1.108	1.388	1.444	2.638	---	---	1.074	1.002	1.311	1.184	1.082	1.052	---	1971
1972	1.108	0.883	1.302	1.988	4.446	2.444	1.478	---	1.307	1.521	1.850	1.718	---	1972
1973	1.470	1.818	2.018	3.171	4.192	2.118	1.621	1.478	1.078	0.988	---	---	---	1973
1974	1.630	1.262	1.844	2.224	4.303	2.102	1.508	1.058	0.978	1.201	1.088	1.672	1.783	1974
1975	1.221	1.054	1.280	2.148	3.715	2.155	1.125	0.978	0.884	0.988	1.542	1.548	1.585	1975
1976	1.287	2.081	1.820	4.038	3.515	1.774	1.848	1.682	1.487	1.885	2.048	1.384	2.057	1976
1977	1.384	1.108	1.425	3.338	3.592	2.436	1.485	1.128	1.082	2.480	1.802	---	---	1977
1978	---	---	1.278	2.430	3.781	1.710	1.210	0.838	0.888	1.018	1.931	0.872	---	1978
1979	1.877	1.688	2.894	3.474	3.807	2.270	1.198	1.214	1.587	1.518	1.728	1.476	2.008	1979
1980	1.403	1.010	1.146	2.888	2.351	1.271	1.353	1.442	1.222	1.773	1.581	1.842	1.581	1980
1981	1.207	2.007	2.087	3.271	3.383	1.818	1.458	1.893	1.440	2.116	2.382	2.080	2.018	1981
1982	---	---	1.282	2.881	3.383	1.398	1.184	1.178	1.421	1.240	1.700	1.788	---	1982
1983	1.442	1.333	1.812	3.148	3.484	2.214	1.184	1.104	0.978	1.058	1.702	2.881	1.848	1983
MEAN	1.320	1.403	1.511	2.810	3.354	1.885	1.281	1.202	1.184	1.430	1.671	1.887	1.773	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 03 37 N
LONG 66 00 13 W REGULATED

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AG003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	4.252 ON APR 22	0.818 ON OCT 17 *	1969
		4.459 ON MAY 14	0.841 ON SEP 6	
1970	4.285 AT 1825 AST ON MAY 5	4.287 ON MAY 5	0.873 ON MAR 21	1970
1971	4.590 AT 1820 AST ON MAY 6	4.575 ON MAY 6	0.881 ON AUG 3	1971
1972	5.224 AT 1558 AST ON MAY 20	5.215 ON MAY 20	0.744 ON FEB 13	1972
1973	5.453 AT 1800 AST ON MAY 2 *	5.440 ON MAY 2 *	0.788 ON OCT 9	1973
1974	5.032 AT 1104 AST ON MAY 5	5.020 ON MAY 5	0.847 ON SEP 3	1974
1975	4.348 AT 1845 AST ON MAY 14	4.334 ON MAY 14	0.880 ON SEP 2	1975
1976	4.810 AT 1811 AST ON APR 8	4.782 ON APR 8	1.081 ON JAN 14	1976
1977	4.685 AT 1827 AST ON APR 28	4.655 ON APR 28	0.822 ON SEP 12	1977
1978	4.523 AT 1841 AST ON MAY 13	4.511 ON MAY 13	0.782 ON OCT 3	1978
1979	5.878 AT 0834 AST ON MAY 3	5.698 ON MAY 3	0.888 ON JAN 1	1979
1980	3.536 AT 1648 AST ON APR 18	3.527 ON APR 18	0.788 ON MAR 14	1980
1981	4.335 AT 1133 AST ON APR 12	4.330 ON APR 12	0.885 ON FEB 2	1981
1982	4.958 AT 1400 AST ON MAY 1	---	---	1982
1983	5.127 AT 1854 AST ON APR 28	5.114 ON APR 28	0.878 ON SEP 18	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JEMSEG RIVER AT JEMSEG - STATION NO. 01AD004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	2.464	2.585	1.695	---	---	---	1.130	---	---	---	1966
1967	---	1.080	1.018	---	3.532	1.884	---	1.027	1.430	1.860	1.384	1.704	---	1967
1968	---	---	1.387	---	---	---	0.986	0.841	0.780	0.873	---	---	---	1968
1969	---	---	1.358	2.587	---	1.918	1.216	---	1.467	1.235	---	---	---	1969
1970	---	---	1.198	1.887	---	---	1.352	---	1.212	1.800	1.666	1.337	---	1970
1971	1.143	1.383	1.486	2.633	3.768	1.481	1.072	1.017	1.316	1.183	1.118	1.046	1.549	1971
1972	1.087	1.017	1.340	2.000	---	---	1.476	1.336	1.311	---	---	1.704	---	1972
1973	1.478	---	2.021	3.172	4.127	---	---	---	1.118	0.984	---	2.201	---	1973
1974	---	---	1.594	---	4.298	2.080	1.497	1.076	1.010	1.172	1.138	1.883	---	1974
1975	1.255	1.078	1.398	2.188	3.710	2.168	1.128	0.882	0.810	1.018	1.544	1.533	1.588	1975
1976	1.287	2.078	1.648	4.045	3.508	1.783	1.848	1.897	1.478	2.009	2.033	1.356	2.057	1976
1977	1.354	1.108	1.443	3.341	3.568	2.443	1.488	1.143	1.114	2.458	1.808	---	---	1977
1978	---	---	1.308	2.455	3.782	1.882	1.217	0.888	0.812	1.028	1.036	0.918	---	1978
1979	1.878	1.873	2.736	3.470	3.881	2.247	1.198	1.222	1.874	1.520	1.733	1.481	2.008	1979
1980	1.412	1.038	1.175	2.708	2.788	1.286	1.360	1.442	1.228	1.788	1.581	1.641	1.600	1980
1981	1.205	2.021	2.040	3.241	2.388	1.888	1.488	1.824	1.481	2.105	2.372	2.088	2.012	1981
1982	---	---	1.250	2.618	3.332	1.403	1.187	1.181	1.418	1.244	1.705	1.758	---	1982
1983	1.455	1.334	1.625	3.150	3.423	2.191	1.210	1.116	0.897	1.080	1.747	2.643	1.850	1983
MEAN	1.333	1.378	1.537	2.818	3.419	1.892	1.298	1.228	1.218	1.440	1.804	1.677	1.808	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 49 48 N
LONG 66 05 56 W REGULATED

JEMSEG RIVER AT JEMSEG - STATION NO. 01AD004

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	4.282 AT 1530 AST ON MAY 5	4.212 ON MAY 6	0.884 ON MAR 20	1970
1971	4.572 AT 1127 AST ON MAY 6	4.557 ON MAY 6	0.668 ON AUG 3	1971
1972	5.200 AT 1154 AST ON MAY 20	5.178 ON MAY 20	0.788 ON FEB 13	1972
1973	5.386 AT 1814 AST ON MAY 2 *	5.340 ON MAY 2 *	0.620 ON OCT 8	1973
1974	5.057 AT 1160 AST ON MAY 5	5.032 ON MAY 5	---	1974
1975	4.348 AT 1243 AST ON MAY 14	4.337 ON MAY 14	0.710 ON SEP 2 *	1975
1976	---	4.822A ON APR 5	1.021 ON JAN 14	1976
1977	4.885 AT 1880 AST ON APR 28	4.855 ON APR 28	0.860 ON SEP 10	1977
1978	4.488 AT 1153 AST ON MAY 13	4.467 ON MAY 13	0.777 ON SEP 30	1978
1979	5.488 AT 0810 AST ON MAY 3	5.481 ON MAY 3	1.005 ON AUG 5	1979
1980	---	3.827E ON APR 19	0.818 ON MAR 13	1980
1981	4.360 AT 0830 AST ON APR 12	4.348 ON APR 12	0.880 ON FEB 2	1981
1982	4.833 AT 1441 AST ON MAY 1	---	---	1982
1983	5.100 AT 1028 AST ON APR 28	5.082 ON APR 28	0.887 ON SEP 18	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AG007

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	118.187	118.448	118.487	118.488	118.847	118.832	118.581	118.845	118.783	118.853	118.702	118.585	118.802	1978
1980	118.884	118.871	118.887	118.728	118.828	118.842	118.703	118.786	118.818	118.811	118.672	118.863	118.882	1980
1981	118.788	118.885	118.888	118.885	118.784	118.835	118.787	118.732	118.438	118.884	118.885	118.823	118.787	1981
1982	---	---	118.882	118.828	118.808	118.824	118.287	118.248	118.428	118.821	118.880	118.888	---	1982
1983	118.883	118.888	118.883	118.881	118.784	118.718	---	---	---	118.481	118.880	---	---	1983
MEAN	118.845	118.887	118.383	118.721	118.744	118.870	118.585	118.833	118.838	118.348	118.388	118.788	118.880	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 43 44 N
LONG 67 11 09 W REGULATED SINCE 1978

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AG007

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1978	117.884R AT 0123 AST ON JUN 3	117.881 ON JUN 3	118.888 ON JAN 1	1978
1980	117.881 AT 0121 AST ON DEC 7	117.888 ON DEC 8	118.818 ON MAR 17	1980
1981	117.188 AT 1783 AST ON APR 11 *	117.188 ON APR 11 *	118.188 ON SEP 18	1981
1982	117.184 AT 0810 AST ON APR 28	---	---	1982
1983	117.832 AT 1488 AST ON APR 28	117.828 ON APR 28	118.378 ON NOV 3 *	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NEW BRUNSWICK

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	135.359	---	---	136.356	135.885	134.828	134.972	134.892	134.907	135.231	134.815	136.150	---	1980
1981	135.647	136.246	135.603	136.589	136.064	135.320	---	---	135.384	136.364	135.671	135.088	---	1981
1982	135.586	135.314	---	---	---	134.864	134.706	---	---	134.778	135.152	136.268	---	1982
1983	136.922	135.481	136.478	137.830	---	135.823	134.749	134.603	134.548	134.726	135.358	136.372	---	1983
MEAN	135.896	135.880	136.441	136.892	135.870	135.184	134.832	134.748	1	135.275	135.248	135.977	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 47 21 40 N DRAINAGE AREA, 15 800 km²
LONG 68 19 38 W NATURAL FLOW

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	136.457 AT 1535 AST ON DEC 13	136.120 ON DEC 13	---	1980
1981	139.033 AT 1249 AST ON FEB 25	138.838 ON FEB 26	---	1981
1982	139.822 AT 0814 AST ON APR 29	---	---	1982
1983	141.198 AT 0747 AST ON APR 19 *	141.041 ON APR 19 *	134.377 ON SEP 18 *	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1929	---	---	1.21 R	3.77 R	4.79 R	2.18 R	1.44 R	0.99 R	0.83 R	1.12 R	1.24 R	0.82 R	---	1929
1930	1.44 R	1.28 R	2.01 R	3.55 R	4.22 R	2.31 R	1.88 R	1.48 R	1.18 R	0.84 R	1.08 R	1.13 R	1.87 R	1930
1931	0.84 R	0.87 R	0.92 R	3.78 R	2.81 R	1.95 R	1.29 R	0.86 R	1.04 R	1.84 R	2.21 R	1.34 R	1.65 R	1931
1932	1.76 R	1.26 R	1.16 R	4.80 R	3.41 R	1.73 R	1.62 R	1.56 R	1.67 R	2.08 R	2.66 R	1.87 R	2.12 R	1932
1933	1.21 R	1.04 R	1.01 R	3.50 R	4.38 R	2.17 R	1.48 R	0.87 R	1.07 R	1.65 R	1.72 R	1.24 R	1.77 R	1933
1934	1.05 R	1.07 R	1.38 R	5.07 R	4.20 R	1.81 R	1.40 R	1.16 R	0.88 R	1.01 R	1.72 R	2.03 R	1.81 R	1934
1935	1.36 R	0.87 R	1.08 R	3.82 R	3.70 R	2.42 R	1.85 R	0.86 R	0.76 R	0.81 R	1.08 R	1.42 R	1.88 R	1935
1936	1.36 R	1.08 R	2.86 R	3.78 R	4.18 R	2.36 R	1.30 R	0.97 R	1.08 R	1.86 R	2.02 R	1.88 R	2.12 R	1936
1937	1.83 R	1.28 R	1.30 R	2.88 R	3.82 R	2.00 R	1.14 R	1.16 R	1.01 R	1.28 R	2.38 R	1.97 R	1.84 R	1937
1938	1.28 R	1.37 R	1.41 R	3.48 R	3.86 R	1.87 R	2.01 R	1.48 R	1.84 R	1.61 R	1.49 R	2.86 R	2.00 R	1938
1939	1.58 R	1.18 R	1.18 R	2.38 R	4.80 R	1.97 R	1.84 R	2.05 R	1.28 R	1.74 R	2.18 R	2.40 R	2.01 R	1939
1940	1.44 R	1.06 R	1.07 R	3.80 R	4.31 R	2.83 R	2.12 R	1.11 R	1.46 R	1.32 R	2.51 R	2.00 R	2.04 R	1940
1941	1.92 R	1.38 R	1.27 R	3.84 R	3.32 R	1.83 R	2.02 R	1.26 R	1.40 R	1.86 R	2.43 R	1.58 R	2.00 R	1941
1942	1.58 R	1.06 R	1.80 R	3.17 R	4.37 R	2.42 R	1.45 R	1.02 R	0.90 R	0.88 R	1.20 R	1.12 R	1.74 R	1942
1943	0.81 R	0.81 R	1.09 R	1.76 R	4.66 R	2.61 R	1.85 R	1.50 R	1.31 R	1.88 R	3.04 R	1.36 R	1.88 R	1943
1944	0.88 R	0.80 R	0.86 R	1.67 R	3.25 R	1.50 R	1.20 R	1.03 R	1.12 R	2.25 R	2.40 R	1.46 R	1.53 R	1944
1945	1.67 R	1.17 R	1.81 R	5.09 R	3.84 R	2.05 R	1.88 R	1.22 R	1.18 R	1.83 R	1.83 R	1.31 R	2.06 R	1945
1946	1.20 R	1.12 R	2.02 R	3.06 R	4.43 R	1.88 R	1.02 R	0.82 R	0.84 R	0.98 R	1.18 R	1.43 R	1.86 R	1946
1947	1.08 R	1.88 R	1.57 R	3.05 R	5.23 R	3.13 R	1.85 R	1.33 R	0.87 R	0.71 R	0.74 R	0.88 R	1.81 R	1947
1948	0.86 R	0.83 R	0.88 R	2.82 R	3.77 R	1.84 R	1.10 R	0.84 R	0.73 R	1.12 R	1.88 R	1.78 R	1.52 R	1948
1949	1.83 R	0.83 R	1.13 R	3.82 R	2.78 R	1.74 R	1.16 R	0.84 R	0.85 R	1.01 R	1.49 R	2.10 R	1.63 R	1949
1950	2.93 R	1.84 R	1.88 R	3.73 R	3.05 R	1.88 R	1.33 R	0.88 R	0.88 R	0.73 R	2.08 R	3.84 R	2.08 R	1950
1951	1.80 R	1.73 R	1.58 R	4.85 R	2.87 R	1.58 R	1.84 R	1.20 R	1.08 R	0.84 R	2.18 R	2.29 R	1.86 R	1951
1952	1.85 R	1.44 R	1.33 R	3.62 R	4.10 R	2.75 R	0.87 R	0.73 R	0.82 R	1.01 R	1.05 R	1.03 R	1.71 R	1952
1953	1.03 R	1.58 R	1.81 R	4.77 R	3.22 R	1.17 R	0.88 R	0.70 R	0.74 R	0.71 R	1.22 R	2.17 R	1.88 R	1953
1954	1.20 R	1.28 R	1.88 R	3.78 R	3.48 R	2.20 R	2.25 R	2.27 R	2.24 R	2.80 R	2.31 R	2.74 R	2.38 R	1954
1955	2.44 R	2.30 R	2.56 R	4.24 R	4.35 R	1.85 R	0.85 R	1.21 R	1.08 R	1.07 R	1.08 R	0.83 R	2.01 R	1955
1956	1.88 R	1.38 R	1.30 R	3.08 R	3.87 R	2.53 R	1.53 R	1.28 R	1.18 R	1.20 R	1.43 R	1.82 R	1.84 R	1956
1957	1.30 R	1.24 R	1.54 R	2.90 R	3.32 R	1.91 R	1.88 R	1.46 R	1.18 R	1.18 R	2.38 R	3.87 R	1.88 R	1957
1958	2.90 R	1.88 R	2.07 R	4.32 R	4.07 R	2.01 R	2.07 R	2.74 R	2.06 R	1.87 R	1.88 R	1.86 R	2.45 R	1958
1959	1.83 R	1.38 R	1.38 R	4.05 R	3.54 R	2.28 R	1.82 R	1.43 R	1.85 R	1.78 R	2.83 R	3.42 R	2.28 R	1959
1960	3.09 R	2.00 R	1.75 R	4.32 R	5.33 R	2.01 R	1.46 R	1.14 R	1.08 R	1.088R	1.868R	1.768R	2.142R	1960
1961	1.373R	1.168R	1.208R	2.880R	6.147R	3.380R	1.478R	1.151R	1.772R	2.058R	1.868R	2.034R	2.196R	1961
1962	1.898R	1.222R	1.248R	3.378R	3.128R	2.024R	2.048R	1.890R	1.511R	1.518R	3.218R	---	---	1962
1963	---	1.433R	1.333R	---	5.377R	1.878R	1.571R	1.508R	---	---	3.867R	3.173R	---	1963
1964	1.868R	1.834R	1.881R	3.438R	3.433R	1.985R	1.480R	1.293R	1.178R	1.233R	1.428R	2.808R	1.932R	1964
1965	2.338R	1.833R	1.858R	2.333R	3.870R	1.818R	1.108R	1.068R	1.241R	1.858R	1.777R	1.718R	1.778R	1965
1966	1.417R	1.443R	2.224R	3.433R	3.438R	1.778R	1.171R	1.012R	0.870R	1.407R	2.163R	2.027R	1.877R	1966
1967	1.418R	1.288R	1.238R	3.448R	4.871R	2.218R	1.474R	1.233R	2.042R	2.442R	1.831R	2.121R	2.013R	1967
1968	1.637R	2.128R	2.108R	4.857R	2.828R	1.284R	1.088R	0.878R	0.804R	0.863R	1.277R	1.852R	1.758R	1968
1969	1.270R	---	1.398R	3.268R	5.347R	2.188R	---	1.487R	2.008R	1.473R	2.874R	2.387R	---	1969
1970	1.818R	---	1.838R	2.818R	---	2.252R	1.538R	1.338R	1.449R	2.488R	1.888R	---	---	1970
1971	1.388R	1.718R	1.822R	3.448R	6.813R	1.824R	1.187R	1.283R	1.871R	1.428R	1.278R	1.233R	1.808R	1971
1972	1.311R	1.234R	1.884R	2.588R	5.677R	2.858R	1.784R	1.688R	1.858R	1.924R	2.368R	2.132R	2.258R	1972
1973	1.833R	2.888R	3.018R	3.858R	5.088R	2.481R	1.875R	1.683R	1.262R	1.158R	1.138R	2.883R	2.493R	1973
1974	2.232R	1.803R	2.148R	3.083R	5.883R	2.443R	1.884R	1.228R	1.153R	1.338R	1.278R	2.187R	2.178R	1974
1975	1.862R	1.317R	1.727R	3.845R	4.894R	2.588R	1.272R	1.088R	1.037R	1.188R	1.788R	1.803R	1.933R	1975
1976	1.829R	2.583R	2.308R	5.482R	4.845R	1.888R	2.108R	2.848R	1.781R	2.713R	3.517R	1.634R	2.866R	1976
1977	1.877R	1.418R	2.077R	4.848R	4.378R	3.007R	1.824R	1.383R	1.334R	3.172R	2.148R	1.848R	2.387R	1977
1978	2.848R	2.148R	1.707R	3.388R	4.773R	1.888R	1.408R	1.087R	0.888R	1.148R	1.158R	1.118R	1.867R	1978
1979	2.081	2.038	3.008	4.898	4.230	2.883	1.332	1.360	1.988	1.758	2.088	1.888	2.488	1979
1980	1.763	1.228	1.458	3.803	3.858	1.448	1.884	1.831	1.488	2.188	1.883	2.273	1.853	1980
1981	1.518	2.008	2.617	4.221	3.088	2.288	1.888	2.837	1.844	2.872	2.870	2.471	2.573	1981
1982	1.748	1.574	1.848	4.018	4.128	1.824	1.317	1.388	1.708	1.487	2.288	2.388	2.083	1982
1983	1.873	1.784	2.338	4.488	4.238	2.868	1.378	1.218	1.184	1.218	2.418	2.398	2.327	1983
MEAN	1.817R	1.484R	1.781R	3.818R	4.083R	2.114R	1.822R	1.338R	1.278R	1.824R	1.818R	1.887R	2.001R	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 54 N
LONG 66 38 42 W REGULATED

R - REVISED SINCE JAN 1980

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1929	---	---	---	1929
1930	---	5.88 R ON MAY 10	0.88 R ON OCT 8	1930
1931	---	4.38 R ON APR 6	0.38 R ON SEP 8 *	1931
1932	---	7.48 R ON APR 10	0.84 R ON FEB 20	1932
1933	---	8.27 R ON MAY 6	0.83 R ON SEP 15	1933
1934	---	7.43 R ON APR 22	0.83 R ON OCT 4	1934
1935	---	5.81 R ON APR 22	0.84 R ON FEB 28	1935
1936	---	7.81 R ON MAR 21	0.88 R ON MAR 12	1936
1937	---	4.88 R ON MAY 1	0.78 R ON OCT 16	1937
1938	---	4.83 R ON APR 23	0.84 R ON MAR 10	1938
1939	---	5.84 R ON MAY 11	1.00 R ON MAR 16	1939
1940	---	5.70 R ON APR 15	0.82 R ON AUG 27	1940
1941	---	5.78 R ON APR 23	0.87 R ON SEP 2	1941
1942	---	5.61 R ON MAY 8	0.83 R ON SEP 6	1942
1943	---	5.82 R ON MAY 14	0.83 R ON JAN 23	1943
1944	---	4.84 R ON MAY 9	0.83 R ON MAR 13	1944
1945	---	5.46 R ON APR 3	0.78 R ON SEP 16	1945
1946	---	5.72 R ON APR 29	0.83 R ON NOV 5	1946
1947	---	5.78 R ON MAY 9	0.38 R ON OCT 24	1947
1948	---	4.83 R ON MAY 21	0.42 R ON MAR 7	1948
1949	---	4.84 R ON APR 16	0.87 R ON SEP 16	1949
1950	---	5.36 R ON APR 22	0.45 R ON OCT 8	1950
1951	---	5.72 R ON APR 13	0.80 R ON SEP 28	1951
1952	---	5.33 R ON MAY 1	0.39 R ON SEP 15	1952
1953	---	5.13 R ON APR 3	0.48 R ON AUG 18	1953
1954	---	5.81 R ON APR 24	0.94 R ON JAN 30	1954
1955	---	5.06 R ON MAY 6	0.76 R ON DEC 25	1955
1956	---	4.78 R ON APR 17	0.81 R ON JAN 7	1956
1957	---	5.48 R ON DEC 24	0.91 R ON OCT 3	1957
1958	---	7.64 R ON APR 25	1.27 R ON OCT 8	1958
1959	---	5.45 R ON NOV 30	1.03 R ON JUL 29	1959
1960	---	5.760R ON MAY 16	0.765R ON OCT 16	1960
1961	---	7.413R ON MAY 29	0.920R ON AUG 23	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	5.825R ON APR 16	0.838R ON OCT 15	1964
1965	---	3.818R ON JAN 1	0.917R ON AUG 8	1965
1966	---	4.573R ON APR 25	0.732R ON SEP 11	1966
1967	---	5.318R ON MAY 13	0.969R ON NOV 16	1967
1968	5.114 AT 0830 AST ON APR 21	5.047R ON APR 17	0.813R ON SEP 18	1968
1969	7.278 AT 0800 AST ON MAY 12	6.952R ON MAY 12	0.933R ON SEP 7	1969
1970	5.336 AT 1200 AST ON MAY 4	5.286R ON MAY 4	1.048R ON SEP 2	1970
1971	6.632 AT 2230 AST ON MAY 5	6.562R ON MAY 6	0.938R ON AUG 1	1971
1972	6.986 AT 1819 AST ON MAY 16	6.868R ON MAY 17	0.838R ON FEB 12	1972
1973	6.606 AT 0859 AST ON APR 30 *	6.540RA ON APR 30 *	0.788R ON OCT 7	1973
1974	7.428 AT 0312 AST ON MAY 3	7.378R ON MAY 3	0.927R ON SEP 10	1974
1975	6.005 AT 2306 AST ON MAY 6	5.844R ON MAY 8	0.788R ON SEP 1	1975
1976	6.837 AT 1101 AST ON APR 5	6.685R ON APR 5	1.152R ON JAN 11	1976
1977	7.077 AT 1056 AST ON APR 28	7.007R ON APR 28	0.880R ON SEP 11	1977
1978	6.404 AT 0256 AST ON MAY 11	6.378R ON MAY 11	0.788R ON SEP 29	1978
1979	8.082A AT 1400 AST ON APR 30	7.897A ON APR 30	1.005 ON AUG 6	1979
1980	5.388 AT 0852 AST ON APR 18	5.186 ON APR 18	0.910 ON MAR 10	1980
1981	6.028 AT 1716 AST ON APR 11	5.899 ON APR 11	1.128 ON SEP 13	1981
1982	7.181 AT 1353 AST ON APR 28	7.108 ON APR 28	0.978 ON JUL 16	1982
1983	7.333 AT 1814 AST ON APR 18	7.159 ON APR 27	0.910 ON OCT 30	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

SAINT JOHN RIVER AT HARTLAND - STATION NO. 01AJ005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	41.294	42.085	41.958	---	1969
1970	43.482	---	---	43.067	---	---	---	40.984	41.288	42.058	41.585	42.347	---	1970
1971	41.783	---	---	---	---	---	---	41.374	41.588	41.381	41.133	41.884	---	1971
1972	42.083	42.031	42.378	---	44.202	43.117	---	---	41.284	41.838	41.671	---	---	1972
1973	43.047	43.471	43.362	43.638	43.681	41.885	41.527	41.367	41.172	41.128	41.017	42.286	42.282	1973
1974	43.331	42.880	42.814	43.140	44.380	41.813	41.382	41.153	41.088	41.148	41.274	42.882	42.227	1974
1975	42.782	42.286	42.280	42.870	43.676	41.902	41.138	40.916	40.878	41.026	41.288	42.288	41.838	1975
1976	42.347	43.884	42.474	44.388	43.388	41.872	41.748	42.120	41.885	42.148	41.834	42.802	42.418	1976
1977	42.418	---	---	44.034	43.238	41.882	---	---	41.318	42.340	41.882	41.873	---	1977
1978	43.878	43.130	41.738	43.734	43.882	41.885	---	---	40.885	40.838	40.988	41.880	---	1978
1979	42.888	42.388	43.818	---	---	---	---	---	---	---	---	---	---	1979
MEAN	42.840	43.818	42.888	43.378	43.737	41.788	41.438	41.288	41.333	41.487	41.488	42.318	42.318	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 16 23 N
LONG 67 31 57 W REGULATED

NEW BRUNSWICK

SAINT JOHN RIVER AT HARTLAND - STATION NO. 01AJ005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	---	---	---	1969
1970	---	---	---	1970
1971	45.069 AT 1121 AST ON MAY 8	44.984 ON MAY 8	40.788 ON AUG 2	1971
1972	---	45.801 ON MAY 18	41.072 ON SEP 24	1972
1973	47.802 AT 0958 AST ON APR 30	47.747 ON APR 30 *	40.823A ON NOV 19	1973
1974	48.519 AT 0124 AST ON MAY 3	48.389 ON MAY 3	40.740 ON SEP 3	1974
1975	44.867 AT 1658 AST ON MAY 8	44.812 ON MAY 8	40.812 ON AUG 17	1975
1976	47.093 AT 1156 AST ON APR 1 *	47.148 ON APR 1	41.108 ON JUN 27	1976
1977	46.113 AT 2322 AST ON APR 26	46.043 ON APR 25	40.781 ON SEP 5	1977
1978	46.462 AT 2126 AST ON MAY 11	46.246 ON MAY 11	40.905 ON OCT 8 *	1978
1979	46.871 AT 1130 AST ON MAR 27	46.389 ON MAR 27	---	1979

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ008

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	40.265	39.988	39.638	39.733	39.709	41.218	---	1973
1974	42.401	41.997	41.788	42.552	43.878	40.842	40.113	39.783	39.699	39.783	39.671	42.188	41.303	1974
1975	42.017	41.548	41.582	42.284	43.028	40.878	39.786	39.478	39.634	39.737	39.881	41.589	40.863	1975
1976	41.448	41.730	41.588	43.633	42.748	40.411	40.823	41.085	40.358	41.205	40.851	41.771	41.477	1976
1977	---	---	41.198	43.393	42.585	41.002	40.081	40.088	39.813	---	---	---	---	1977
1978	---	41.477	40.788	42.044	---	---	39.954	39.498	39.584	---	---	---	---	1978
1979	---	41.534	42.931	42.472	---	41.010	39.800	39.789	40.586	40.081	40.380	---	---	1979
1980	---	---	40.448	42.284	41.118	38.903	40.170	39.588	39.887	40.505	40.147	41.948	---	1980
1981	41.710	42.718	---	---	41.413	40.818	40.074	41.171	---	---	40.878	40.688	---	1981
1982	41.835	40.887	40.733	---	---	---	38.715	39.698	40.087	39.883	40.718	---	---	1982
1983	42.347	42.898	43.088	43.314	42.388	40.888	---	---	39.772	39.853	40.888	42.141	---	1983
MEAN	42.127	41.828	41.868	42.771	42.443	40.708	40.084	40.063	39.842	40.091	40.408	41.873	41.214	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 17 54 N
LONG 67 31 45 W REGULATED

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ008

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1973	---	---	---	1973
1974	48.698 AT 0304 AST ON MAY 3	48.538 ON MAY 3	39.298 ON AUG 18	1974
1975	44.345A AT 1718 AST ON MAY 8	44.345A ON MAY 8	39.213 ON AUG 17	1975
1976	47.083 AT 1828 AST ON APR 1 *	47.132 ON APR 1 *	39.822 ON JUN 28	1976
1977	45.513 AT 2347 AST ON APR 24	45.342 ON APR 25	39.401 ON SEP 5	1977
1978	45.251 AT 1428 AST ON APR 22	44.824 ON MAY 8	39.138 ON AUG 21 *	1978
1979	47.188 AT 2258 AST ON APR 30	46.880 ON MAY 1	39.405 ON OCT 7	1979
1980	46.214 AT 1487 AST ON DEC 18	44.004 ON DEC 18	---	1980
1981	46.830 AT 2235 AST ON FEB 26	45.937 ON FEB 26	39.484 ON AUG 2	1981
1982	45.810 AT 1720 AST ON APR 26	---	---	1982
1983	46.150 AT 2358 AST ON APR 19	---	---	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	---	3.835	3.814	4.488	4.882	4.384	---	1960
1961	3.838	4.809	4.841	---	---	---	3.800	5.002	4.147	5.261	4.961	4.424	---	1961
1962	3.949	3.783	3.703	5.824	5.110	3.749	3.385	3.477	3.988	3.887	4.810	4.318	4.230	1962
1963	4.002	3.784	4.286	5.881	5.206	4.771	3.882	3.500	3.480	3.880	4.888	5.079	4.481	1963
MEAN	3.930	4.118	4.178	5.883	5.157	4.280	3.839	3.951	3.843	4.349	4.828	4.542	4.351	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 57 24 N
LONG 66 51 53 W REGULATED

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	---	---	---	1980
1981	8.297 AT 1835 AST ON APR 11	8.041 ON APR 11	3.035 ON SEP 7	1981
1982	9.410 AT 0419 AST ON APR 28	9.266 ON APR 28	3.833 ON JUL 11 *	1982
1983	9.983 AT 1017 AST ON APR 18 *	9.728 ON APR 18 *	3.886 ON MAR 6	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AD002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	2.465	1.540	0.978	0.956	1.063	1.611	---	---	---	1965
1966	---	---	1.883	---	---	1.580	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	---	---	---	---	---	---	1967
1968	1.278	1.766	---	4.404	2.336	1.157	---	---	1.884	2.166	---	1.889	---	1968
1969	---	---	---	2.895	4.666	1.894	1.258	1.348	1.758	1.361	2.371	---	---	1969
1970	---	---	---	---	4.017	2.018	---	---	---	---	1.817	2.185	---	1970
1971	---	---	---	---	---	1.547	1.131	1.181	1.486	1.303	1.306	---	---	1971
1972	1.312	1.118	1.632	2.344	5.128	2.898	1.618	1.475	1.463	---	---	1.142	---	1972
1973	1.728	2.327	2.818	3.938	4.630	2.298	---	1.630	1.222	1.083	1.088	---	---	1973
1974	---	---	---	2.734	---	---	---	1.148	1.080	1.267	---	2.870	---	1974
1975	---	---	---	2.518	4.324	2.183	1.187	1.009	0.954	1.088	1.883	---	---	1975
1976	---	---	---	4.841	4.082	1.857	1.892	---	---	2.384	2.288	---	---	1976
1977	1.478	---	---	---	4.001	2.736	1.536	1.285	1.230	2.844	1.878	---	---	1977
1978	2.382	1.880	1.508	2.974	4.318	1.831	1.318	1.015	0.853	1.088	1.111	1.077	1.781	1978
1979	1.845	1.882	3.473	4.053	3.928	2.488	1.420	1.388	1.793	1.851	1.821	1.886	2.300	1979
1980	1.575	1.120	1.338	3.218	2.884	---	---	1.528	1.335	1.875	1.722	2.045	---	1980
1981	1.344	2.438	2.320	3.809	2.767	2.103	1.578	---	---	---	2.635	2.300	---	1981
1982	1.593	1.403	1.447	3.588	3.804	1.810	1.263	1.261	1.534	1.330	2.003	2.008	1.884	1982
1983	1.888	1.830	2.134	3.857	3.892	2.528	---	---	1.857	---	---	3.021	---	1983
MEAN	1.618	1.728	2.037	3.480	3.798	2.000	1.376	1.232	1.298	1.581	1.767	2.003	1.996	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 51 56 N
LONG 66 27 40 W REGULATED

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AD002

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	5.712 AT 0858 AST ON MAY 7	5.681 ON MAY 7	0.811 ON AUG 1	1971
1972	6.068 AT 0341 AST ON MAY 17	6.059 ON MAY 18	0.798 ON FEB 12	1972
1973	7.108 AT 1300 AST ON MAY 1 *	7.096 ON MAY 1 *	0.774 ON OCT 7	1973
1974	6.308 AT 1828 AST ON MAY 3	6.288 ON MAY 3	---	1974
1975	5.200 AT 1812 AST ON MAY 14	5.184 ON MAY 14	0.718 ON SEP 1 *	1975
1976	5.850 AT 1148 AST ON APR 7	5.832 ON APR 7	---	1976
1977	6.028 AT 1700 AST ON APR 26	5.995 ON APR 26	0.884 ON SEP 11	1977
1978	5.575 AT 1814 AST ON MAY 12	5.557 ON MAY 12	0.753 ON SEP 28	1978
1979	6.471 AT 0300 AST ON MAY 2	6.435 ON MAY 2	1.123 ON DEC 18	1979
1980	4.848 AT 1223 AST ON APR 18	---	---	1980
1981	5.288 AT 0301 AST ON APR 12	5.184 ON APR 12	1.080 ON FEB 1	1981
1982	6.208 AT 1802 AST ON APR 29	6.181 ON APR 29	0.949 ON OCT 31	1982
1983	6.240 AT 1230 AST ON APR 26	6.220 ON APR 26	0.906 ON SEP 18	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW BRUNSWICK

SAINT JOHN RIVER AT OAK POINT - STATION NO. 01AP003

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	0.25	0.14	0.07	0.98	3.08	0.65	0.20	0.08	0.05	0.10	0.61	0.65	0.58	1923
1924	0.37	0.21	0.19	0.88	2.84	0.88	0.17	0.14	0.26	0.18	0.18	0.34	0.66	1924
1925	0.12	0.18	0.85	1.58	1.76	0.61	0.37	0.26	0.20	1.07	1.38	0.70	0.76	1925
1926	0.28	0.18	0.12	0.52	3.01	1.26	0.40	0.15	0.15	0.64	1.18	0.61	0.71	1926
1927	0.30	0.21	0.28	---	1.87	1.33	0.48	0.87	0.47	0.78	1.44	1.27	---	1927
1928	0.68	0.35	0.21	1.77	2.40	1.29	0.48	0.43	0.22	0.37	0.60	0.38	0.77	1928
1929	0.49	0.22	0.28	1.38	2.50	0.88	0.45	0.22	0.07	0.27	0.38	0.17	0.62	1929
1930	0.38	0.27	0.78	1.88	2.04	0.88	0.72	0.81	0.33	0.23	0.21	0.28	0.70	1930
1931	0.11	0.07	0.22	1.85	1.31	0.97	0.56	0.38	0.43	0.88	1.13	0.43	0.70	1931
1932	0.73	0.52	0.45	2.38	1.83	0.88	0.78	0.88	0.83	0.94	1.38	0.87	0.97	1932
1933	0.48	0.44	0.43	1.78	2.48	1.17	0.88	0.33	0.47	0.83	0.88	0.52	0.87	1933
1934	0.33	0.38	0.84	2.41	2.87	0.91	0.83	0.43	0.25	0.35	0.82	0.87	0.82	1934
1935	0.58	0.31	0.35	1.84	3.30	1.18	0.78	0.34	0.26	0.26	0.50	0.75	0.76	1935
1936	0.65	0.44	1.00	2.27	2.12	1.24	0.61	0.36	0.48	0.78	1.08	0.93	1.07	1936
1937	0.81	0.56	0.84	1.44	2.18	1.08	0.52	0.50	0.43	0.55	1.30	0.93	0.90	1937
1938	0.53	0.82	0.55	1.78	2.14	0.90	0.98	0.63	0.87	0.83	0.78	1.37	1.00	1938
1939	0.58	0.47	0.84	1.14	2.82	1.20	0.80	0.98	0.81	0.82	1.23	0.81	1.01	1939
1940	0.52	0.41	0.38	1.68	2.46	1.25	1.08	0.43	0.72	0.68	1.28	0.74	0.98	1940
1941	0.68	0.44	0.38	1.91	1.84	0.85	1.03	0.83	0.68	0.94	1.30	0.85	0.95	1941
1942	0.74	0.50	0.83	1.62	2.85	1.21	0.73	0.35	0.31	0.40	0.80	0.61	0.87	1942
1943	0.29	0.40	0.47	0.88	2.68	1.52	0.81	0.78	0.84	0.99	1.75	0.80	0.98	1943
1944	0.31	0.27	0.33	0.93	1.77	0.74	0.58	0.45	0.80	1.18	1.80	0.78	0.77	1944
1945	0.75	0.53	0.82	2.82	2.22	1.17	1.04	0.66	0.48	1.03	1.05	0.67	1.10	1945
1946	0.55	0.47	0.88	1.72	2.70	1.03	0.48	0.37	0.33	0.41	0.85	0.85	0.87	1946
1947	0.52	0.85	0.83	1.58	3.10	2.02	0.81	0.67	0.38	0.25	0.43	0.34	0.98	1947
1948	0.32	0.28	0.48	1.87	2.18	1.21	0.58	0.50	0.31	0.55	1.12	1.05	0.85	1948
1949	0.84	0.39	0.48	2.04	1.55	0.89	0.52	0.35	0.48	0.56	0.81	1.02	0.84	1949
1950	1.00	0.58	0.84	1.71	1.88	0.92	0.81	0.37	0.80	---	1.32	---	---	1950
1951	---	---	---	2.89	1.70	0.95	1.08	---	---	0.86	1.35	0.89	---	1951
1952	0.78	0.87	---	---	2.47	1.88	---	0.28	---	---	---	---	---	1952
1953	---	---	---	---	2.03	---	---	---	---	---	---	1.37	---	1953
1954	---	---	---	---	---	---	---	---	---	---	1.47	1.31	---	1954
1955	0.90	0.81	---	2.30	2.72	1.23	---	---	0.60	0.48	0.48	0.36	---	1955
1956	---	---	---	1.88	2.20	---	---	---	---	---	0.83	---	---	1956
1957	---	---	---	---	---	---	---	---	---	0.43	---	---	---	1957
1958	1.48	---	0.80	2.25	2.41	---	0.85	---	1.08	---	1.03	---	---	1958
1959	---	---	0.87	1.98	1.90	1.18	0.74	---	---	---	1.48	1.81	---	1959
1960	0.84	0.90	---	2.14	2.88	1.04	---	---	---	0.83	1.48	1.81	---	1960
1961	0.33	0.28	0.32	1.44	3.81	2.14	0.72	0.47	0.75	1.12	0.81	1.13	1.08	1961
1962	0.74	0.54	0.56	1.88	1.60	1.00	0.87	0.98	0.83	0.83	1.72	1.01	1.03	1962
1963	0.71	0.51	0.84	1.88	3.18	1.08	0.78	0.84	1.20	1.07	2.11	1.30	1.28	1963
1964	0.63	0.59	0.89	1.80	1.83	1.00	0.84	0.58	0.82	0.80	0.73	1.10	0.87	1964
1965	1.00	0.80	0.82	1.12	1.48	0.80	0.44	0.42	0.48	0.78	0.87	0.77	0.81	1965
	ABOVE WATER LEVELS REFERRED TO ASSUMED DATUM													
1966	0.97	1.00	1.444	2.227	2.300	---	---	---	---	---	1.520	---	---	1966
1967	---	---	---	1.548	3.072	1.683	1.188	0.980	1.380	1.758	1.318	1.892	---	1967
1968	---	1.414	1.358	3.085	1.918	1.074	---	0.807	0.738	0.847	1.171	1.376	---	1968
1969	1.010	1.018	1.082	2.188	3.360	1.714	1.150	1.178	---	1.172	1.803	1.725	---	1969
1970	1.327	1.681	1.133	1.835	2.987	1.700	1.247	---	---	---	---	1.230	---	1970
1971	---	1.383	---	2.377	---	---	1.001	0.884	1.241	1.131	1.083	1.024	---	1971
1972	1.052	0.881	1.250	1.807	3.603	2.141	1.274	1.258	1.225	1.413	1.781	1.553	1.538	1972
1973	1.388	1.727	1.630	2.848	3.822	1.844	1.614	1.355	1.034	0.948	0.888	1.845	1.761	1973
1974	1.523	1.202	1.492	2.027	3.678	1.681	1.338	0.888	0.957	1.137	1.047	1.832	1.577	1974
1975	1.158	1.018	1.208	1.877	3.188	1.838	1.071	0.958	0.914	1.033	1.528	1.480	1.480	1975
1976	1.272	1.667	1.814	3.433	3.008	1.592	1.640	1.725	1.368	1.626	1.822	1.263	1.850	1976
1977	1.271	1.112	1.370	2.868	3.078	2.214	1.388	1.118	1.088	2.233	1.648	1.388	1.736	1977
1978	---	---	---	2.183	3.214	1.832	1.158	0.910	0.878	0.885	0.843	---	---	1978
1979	1.578	1.478	2.338	2.887	3.078	1.988	1.091	1.134	1.448	1.403	1.873	1.381	1.784	1979
1980	1.277	0.970	1.083	2.368	2.087	1.188	1.270	1.328	1.147	1.807	1.437	1.888	1.468	1980
1981	1.130	1.778	1.833	2.805	3.121	1.747	1.380	1.771	1.382	1.898	2.102	1.878	1.812	1981
1982	---	---	1.140	2.441	2.836	1.295	1.088	1.088	1.288	1.184	1.888	1.998	---	1982
1983	1.348	1.250	---	2.787	2.978	1.917	1.144	1.038	0.823	0.895	---	- -	---	1983

ABOVE WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 31 11 N
LONG 66 04 44 W REGULATED

WATER LEVELS FOR THE PERIOD-OF-RECORD ARE REFERRED TO SEVERAL UNRELATED DATUMS

SAINT JOHN RIVER AT OAK POINT - STATION NO. 01AP003

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1923	...	5.09 ON MAY 8	0.00 ON JAN 1	1923
1924	...	3.29 ON MAY 20	0.00 ON FEB 16	1924
1925	...	3.33 ON MAY 10	0.00 ON JAN 16	1925
1926	...	3.69 ON MAY 13	0.03 ON SEP 7	1926
1927	...	...	...	1927
1928	...	2.78 ON MAY 15	0.06 ON MAR 14	1928
1929	...	3.29 ON MAY 11	-0.06 ON SEP 16	1929
1930	...	2.93 ON MAY 12	0.06 ON DEC 28	1930
1931	...	2.14 ON APR 8	0.00 ON JAN 28	1931
1932	...	3.29 ON APR 19	0.28 ON FEB 25	1932
1933	...	3.39 ON MAY 9	0.06 ON AUG 24	1933
1934	...	4.91 ON APR 26	0.03 ON JAN 5	1934
1935	...	3.54 ON MAY 3	0.03 ON SEP 3	1935
1936	...	4.33 ON MAR 26	0.16 ON MAR 11	1936
1937	...	2.59 ON MAY 9	0.22 ON JUL 26	1937
1938	...	2.65 ON MAY 3	0.31 ON JAN 5	1938
1939	...	3.72 ON MAY 15	0.31 ON JAN 23	1939
1940	...	3.26 ON MAY 8	0.19 ON FEB 15	1940
1941	...	3.51 ON APR 26	0.22 ON JAN 31	1941
1942	...	3.93 ON MAY 6	0.09 ON SEP 12	1942
1943	...	3.08 ON MAY 22	0.03 ON JAN 2[illegible]	1943
1944	...	2.32 ON MAY 14	0.03 ON FEB 13	1944
1945	...	3.63 ON APR 17	0.22 ON AUG 24	1945
1946	...	3.23 ON MAY 3	0.06 ON OCT 3	1946
1947	...	3.78 ON MAY 13	0.15 ON OCT 5	1947
1948	...	2.76 ON MAY 25	0.03 ON FEB 16	1948
1949	...	2.50 ON APR 20	0.19 ON SEP 13	1949
1950	...	...	...	1950
1951	...	...	...	1951
1952	...	...	...	1952
1953	...	...	...	1953
1954	...	...	...	1954
1955	...	...	...	1955
1956	...	...	...	1956
1957	...	...	...	1957
1958	...	...	...	1958
1959	...	...	...	1959
1960	...	...	...	1960
1961	...	4.27 ON MAY 19	0.19 ON FEB 20	1961
1962	...	2.32 ON APR 3	0.43 ON FEB 24	1962
1963	...	4.09 ON MAY 7	0.46 ON FEB 17	1963
1964	...	2.75 ON APR 23	0.28 ON SEP 23	1964
1965	...	1.77 ON MAY 10	0.19 ON AUG 13	1965

ABOVE WATER LEVELS REFERRED TO ASSUMED DATUM

1966	...	...	...	1966
1967	...	...	...	1967
1968	...	...	...	1968
1969	...	...	...	1969
1970	3.877 AT 0140 AST ON MAY 8	3.783 ON MAY 7	0.611 ON DEC 22	1970
1971	3.823 AT 0300 AST ON MAY 10	3.640 ON MAY 9	0.785 ON AUG 2	1971
1972	4.681 AT 0925 AST ON MAY 19	4.517 ON MAY 19	0.713A ON FEB 10	1972
1973	5.736 AT 0348 AST ON MAY 3	5.651 ON MAY 3	0.735 ON OCT 6	1973
1974	4.417 AT 0328 AST ON MAY 6	4.325 ON MAY 6	0.758E ON SEP 12	1974
1975	3.862 AT 0508 AST ON MAY 15	3.749 ON MAY 15	0.698 ON AUG 30	1975
1976	4.072 AT 1041 AST ON APR 9	4.023 ON APR 9	0.972 ON JAN 12	1976
1977	4.154 AT 2323 AST ON APR 29	4.097 ON APR 30	0.792 ON SEP 10	1977
1978	3.847 AT 0845 AST ON MAY 1	3.749 ON MAY 1	0.698 ON SEP 30	1978
1979	4.740 AT 2038 AST ON MAY 3	4.650 ON MAY 3	0.694 ON AUG 5	1979
1980	3.417 AT 0328 AST ON APR 17	3.208 ON APR 17	0.689 ON MAR 13	1980
1981	3.742 AT 0822 AST ON APR 10	3.622 ON APR 12	0.867 ON FEB 1	1981
1982	4.243 AT 0840 AST ON MAY 1	...	...	1982
1983	4.477 AT 1554 AST ON APR 29	4.402 ON APR 29	0.781 ON SEP 19	1983

ABOVE WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATER LEVELS FOR THE PERIOD-OF-RECORD ARE REFERRED TO SEVERAL UNRELATED DATUMS

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

E - ESTIMATED

NEW BRUNSWICK

SAINT JOHN RIVER AT GRONDCTO - STATION NO. 01AD001

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	3.27	1.31	1.81	---	---	1.37	---	---	---	1918
1919	---	---	---	---	3.91	1.33	0.87	0.86	0.84	0.87	---	---	---	1919
1920	---	---	---	---	3.73	1.24	1.24	0.87	1.15	1.81	---	---	---	1920
1921	0.82	0.83	1.68	3.88	2.19	0.82	0.42	0.88	0.46	0.92	0.88	0.88	1.14	1921
1922	0.48	0.38	1.11	2.88	2.01	2.10	1.70	0.84	0.67	0.80	0.86	0.43	1.10	1922
1923	0.47	0.33	0.38	1.71	4.15	1.03	0.46	---	0.28	0.40	1.08	1.88	---	1923
1924	0.73	0.62	0.84	1.88	4.35	1.48	0.82	0.41	0.88	0\48	0.47	0.88	1.02	1924
1925	0.37	0.82	1.24	2.71	---	1.08	0.73	0.87	0.48	1.78	2.36	1.82	---	1925
1926	0.88	0.82	0.48	1.18	4.61	1.81	0.73	0.48	0.61	1.21	1.88	1.36	1.28	1926
1927	0.74	0.88	0.78	2.36	2.80	2.10	0.87	0.88	0.78	1.20	2.43	2.76	1.61	1927
1928	1.82	0.83	0.88	2.87	3.87	2.03	0.82	0.88	0.88	0.78	1.08	0.87	1.43	1928
1929	1.08	0.88	0.72	2.41	3.77	1.87	0.87	0.48	0.38	0.88	0.78	0.48	1.14	1929
1930	0.88	0.71	1.48	2.78	3.38	1.88	1.38	0.82	0.88	0.81	0.88	---	---	1930
1931	0.48	0.41	0.88	3.08	1.84	1.40	0.78	0.81	0.80	1.38	1.80	0.88	1.11	1931
1932	1.13	0.77	0.88	3.70	2.71	1.18	1.04	0.88	1.01	1.44	1.84	1.08	1.47	1932
1933	0.87	0.82	0.84	2.78	3.82	1.82	0.83	0.48	0.88	1 088	1.148	---	---	1933
1934	---	0.818	0.888	4.003	3.470	---	---	---	---	0.823	---	1.330	---	1934
1935	0.841	---	0.826	2.818	3.070	1.782	---	---	0.382	0.848	0.880	0.870	---	1935
1936	0.898	0.804	3.018	3.184	3.358	1.783	---	---	0.848	---	1.437	1.388	---	1936
1937	---	---	---	2.308	---	---	---	---	---	---	1.818	1.328	---	1937
1938	---	0.882	0.942	2.808	3.040	1.178	1.487	0.888	1.217	---	---	2.274	---	1938
1939	---	0.858	---	1.841	3.983	1.878	1.091	1.443	0.828	1.247	1.712	---	---	1939
1940	0.883	---	---	---	3.585	1.884	1.817	0.888	0.878	---	1.738	---	---	1940
1941	---	0.714	---	3.004	2.848	1.132	1.394	0.787	0.875	1.388	1.838	1.030	---	1941
1942	1.038	0.885	1.138	2.828	3.588	1.776	0.828	---	---	---	0.783	0.822	---	1942
1943	---	0.488	0.881	1.272	4.008	2.044	1.023	0.870	0.808	1.388	2.388	0.814	---	1943
1944	0.432	0.312	0.388	1.218	2.877	1.008	0.703	0.848	0.821	1.838	1.884	0.884	1.034	1944
1945	1.131	---	1.288	4.228	3.127	1.888	1.408	0.748	0.728	1.288	1.374	0.883	---	1945
1946	0.788	---	1.828	2.888	3.858	1.328	---	0.871	0.488	0.818	0.814	0.853	---	1946
1947	0.783	1.278	1.128	2.484	4.718	2.788	1.288	0.858	0.883	---	0.838	0.483	---	1947
1948	---	---	---	---	3.273	1.888	0.777	---	0.424	---	1.848	1.487	---	1948
1949	1.412	0.727	---	---	---	---	---	---	---	---	---	---	---	1949
MEAN	0.822	0.824	0.880	2.801	3.385	1.883	1.018	0.721	0.853	1.028	1.384	1.108	1.224	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 46 51 20 N
LONG 66 28 30 W NATURAL FLOW

SAINT JOHN RIVER AT GRONDCTO - STATION NO. 01AD001

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	4.15 ON APR 2	0.31 ON JUL 30	1921
1922	---	4.84 ON JUN 24	0.32 ON DEC 30	1922
1923	---	---	---	1923
1924	---	5.04 ON MAY 7 *	0.22 ON NOV 17	1924
1925	---	---	---	1925
1926	---	4.87 ON MAY 8	0.31 ON MAR 3	1926
1927	---	4.73 ON APR 25	0.34 ON OCT 5	1927
1928	---	4.58 ON MAY 10	0.42 ON OCT 14	1928
1929	---	4.85 ON MAY 8	0.35 ON SEP 11	1929
1930	---	4.73 ON MAY 10	0.35 ON NOV 7	1930
1931	---	3.48 ON APR 5	0.35 ON JAN 26	1931
1932	---	4.78 ON APR 10	0.48 ON FEB 21	1932
1933	---	---	---	1933
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	3.748 ON MAY 8	0.000 ON MAR 18 *	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949

WATER LEVELS REFERRED TO ASSUMED DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	0.895	---	---	1.449	---	1.543	1.061	0.843	1.235	1.649	1.336	1.456	---	1967
1968	---	---	---	2.885	---	---	0.856	0.687	0.881	---	1.187	1.305	---	1968
1969	---	---	1.014	2.085	3.184	1.826	---	---	1.338	---	---	1.684	---	1969
1970	1.237	---	1.033	---	2.858	1.812	1.191	1.084	1.085	---	---	---	---	1970
1971	---	---	1.283	2.316	3.055	1.310	---	0.841	1.205	1.117	1.086	1.030	---	1971
1972	1.126	0.967	1.126	1.737	3.850	2.038	1.348	1.183	1.183	1.360	1.667	1.493	1.583	1972
1973	1.311	1.852	1.783	2.886	3.498	1.789	1.431	1.312	0.888	0.935	0.956	1.883	1.685	1973
1974	1.457	1.136	1.377	1.854	3.498	1.713	1.298	0.848	0.800	1.072	1.084	1.812	1.505	1974
1975	1.108	0.948	1.104	1.678	3.036	1.821	0.948	0.783	0.785	0.953	1.412	1.388	1.345	1975
1976	1.155	1.748	1.427	3.323	2.858	1.514	1.451	1.648	1.320	1.762	1.775	1.201	1.785	1976
1977	1.188	1.004	1.270	2.770	2.852	2.127	1.324	1.088	1.075	2.185	1.581	1.343	1.654	1977
1978	---	---	---	---	3.082	1.458	1.078	0.881	0.847	0.942	0.848	0.882	---	1978
1979	1.598	1.423	2.223	2.880	2.958	1.919	1.071	1.105	1.380	1.380	1.545	1.322	1.729	1979
1980	1.218	0.918	1.032	2.280	2.008	1.080	1.113	1.178	0.988	1.467	1.458	1.598	1.368	1980
1981	1.084	---	---	2.701	2.041	---	1.302	1.705	1.387	1.842	2.040	1.827	---	1981
1982	1.224	1.047	1.082	2.358	2.778	1.248	1.071	1.051	1.242	1.132	---	---	---	1982
1983	---	1.148	1.803	2.878	2.734	1.832	1.120	1.004	---	0.982	1.630	---	---	1983
MEAN	1.221	1.197	1.332	2.386	2.952	1.843	1.178	1.067	1.102	1.339	1.411	1.430	1.581	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 16 30 N
LONG 66 05 20 W REGULATED

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	3.731 AT 0145 AST ON MAY 7	3.642 ON MAY 6	---	1970
1971	3.647 AT 0007 AST ON MAY 10	3.694 ON MAY 9	---	1971
1972	---	4.368E ON MAY 15	0.658 ON MAR 12	1972
1973	5.310 AT 0006 AST ON MAY 3 *	5.158 ON MAY 3 *	0.732 ON OCT 6	1973
1974	4.307 AT 0015 AST ON MAY 8	4.145 ON MAY 6	0.738 ON SEP 12	1974
1975	3.749A AT 0233 AST ON MAY 15	3.557A ON MAY 15	0.468E ON SEP 2 *	1975
1976	3.980 AT 0857 AST ON APR 9	3.850 ON APR 9	0.563A ON JAN 12	1976
1977	4.109 AT 0003 AST ON MAY 4	3.958 ON APR 30	0.738 ON SEP 10	1977
1978	3.725 AT 2033 AST ON MAY 1	3.572 ON MAY 1	0.658 ON SEP 27	1978
1979	4.642 AT 1800 AST ON MAY 3	4.478 ON MAY 3	0.859 ON AUG 5	1979
1980	3.361 AT 0233 AST ON APR 17	3.088 ON APR 17	0.642 ON MAR 13	1980
1981	3.695 AT 0412 AST ON APR 10	3.508 ON APR 12	0.822 ON FEB 1	1981
1982	4.145 AT 0537 AST ON MAY 1	---	---	1982
1983	4.431 AT 0231 AST ON APR 30	4.313 ON APR 30	0.732A ON SEP 18	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ005

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	44.202	43.387	43.221	---	---	42.384	---	---	42.475	43.058	42.637	---	---	1980
1981	---	44.037	---	---	---	---	---	43.628	42.788	43.734	43.474	42.972	---	1981
1982	---	---	43.985	45.245	44.710	42.557	42.210	42.161	42.648	---	---	---	---	1982
1983	45.218	44.859	44.725	45.308	44.700	43.450	42.374	42.168	42.188	42.312	43.433	44.301	43.732	1983
MEAN	44.711	44.321	43.977	45.277	44.705	43.800	42.292	42.885	42.520	43.035	43.181	43.637	43.732	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 46 20 15 N DRAINAGE AREA, 35 000 km²
LONG 67 33 10 W REGULATED

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ005

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1980	46.053 AT 0302 AST ON APR 15	---	---	1980
1981	46.381 AT 1944 AST ON FEB 26 *	46.082 ON FEB 26	41.844 ON AUG 2 *	1981
1982	47.034 AT 1550 AST ON APR 28	---	---	1982
1983	46.100 AT 2333 AST ON APR 19	47.999 ON APR 19 *	41.874 ON JUL 3	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW BRUNSWICK

SAINT JOHN RIVER AT WOODSTOCK - STATION NO. 01AJ002

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	---	---	---	4.218	---	---	1982
1983	3.841	3.316	3.087	3.728	---	---	---	---	---	---	---	---	---	1983
1984	---	---	---	---	---	---	---	---	2.156	2.110	2.508	3.322	---	1984
1985	---	3.206	3.272	3.367	4.032	2.892	---	2.108	2.598	3.188	3.026	2.780	---	1985
1986	3.026	3.048	3.704	4.677	4.833	---	2.108	1.781	---	2.870	3.504	---	---	1986
1987	2.818	---	2.818	---	5.276	3.302	---	2.480	---	3.784	---	---	---	1987
MEAN	3.161	3.188	3.173	3.618	4.647	3.147	2.108	2.120	2.377	2.933	3.313	3.036	---	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM

LOCATION - LAT 46 09 23 N
LONG 67 36 25 W REGULATED

DATA CONTRIBUTED BY -
NEW BRUNSWICK ELECTRIC POWER COMMISSION

SAINT JOHN RIVER BELOW MACTAQUAC - STATION NO. 01AK004

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	---	---	4.032	4.520	---	1981
1982	4.786	---	---	---	---	4.345	4.328	4.293	3.888	3.636	5.330	4.512	---	1982
1983	4.441	4.371	4.342	5.002	7.125	4.083	3.848	4.203	4.577	---	5.827	5.830	---	1983
1984	---	---	4.418	5.746	5.348	4.087	3.831	---	3.536	3.536	3.836	6.771	---	1984
1985	---	---	5.028	5.807	4.707	3.863	---	---	3.513	3.942	3.801	4.043	---	1985
1986	3.986	4.030	4.998	5.536	5.153	3.786	3.267	---	3.022	3.595	4.256	4.236	---	1986
1987	4.193	3.928	3.685	4.574	5.958	4.091	3.518	3.437	4.267	4.472	3.439	---	---	1987
MEAN	4.352	4.110	4.735	5.493	5.884	4.043	3.757	3.978	3.818	3.876	4.376	4.788	---	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 57 44 N DRAINAGE AREA, 38 900 km²
LONG 66 48 51 W REGULATED

SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	116.568	---	116.487	116.084	116.868	116.695	116.313	116.261	---	---	---	---	1967
1968	---	116.450	116.901	116.703	117.182	117.261	116.782	116.539	116.417	116.983	116.802	116.458	---	1968
1970	117.290	117.404	116.858	116.677	117.542	117.203	116.924	116.634	116.525	116.415	116.166	116.981	116.815	1970
1971	---	---	116.850	116.529	117.342	117.080	116.178	116.143	116.702	116.582	114.273	114.261	---	1971
1972	116.438	116.581	---	116.512	117.100	117.461	117.271	116.678	116.088	116.548	---	116.640	---	1972
1973	---	---	---	117.275	117.588	117.318	117.401	117.372	116.987	116.124	115.421	115.770	---	1973
1974	116.583	116.939	116.987	116.868	117.528	117.513	117.337	116.821	116.312	116.221	116.892	116.132	116.980	1974
1975	116.128	116.648	116.375	116.948	117.088	117.380	117.123	116.585	116.083	116.116	116.104	116.897	116.389	1975
1976	116.681	117.298	117.223	117.408	117.643	117.434	117.266	117.208	116.975	117.098	117.288	116.542	117.178	1976
1977	116.454	116.584	116.982	116.686	117.421	117.470	117.137	116.449	116.088	116.533	116.984	117.002	116.853	1977
1978	117.383	116.476	116.188	116.781	117.258	116.647	116.243	115.898	115.423	115.278	115.248	115.189	116.001	1978
1979	116.638	116.138	116.486	117.418	117.472	117.335	116.882	116.336	116.000	116.584	116.858	116.721	116.878	1979
1980	116.318	116.706	116.223	116.113	116.883	116.808	116.882	116.748	116.402	116.863	116.884	117.081	116.445	1980
1981	116.743	116.804	116.834	117.305	117.189	116.782	116.491	116.227	116.218	116.988	117.138	117.184	116.810	1981
1982	116.880	116.996	116.432	116.438	117.314	116.888	116.374	116.081	116.858	116.434	116.825	116.147	116.181	1982
1983	116.424	116.274	116.081	117.158	117.367	117.362	116.927	116.224	116.429	116.034	116.019	116.363	116.305	1983
MEAN	116.630	116.676	116.659	116.648	117.238	117.160	116.830	116.462	116.133	116.035	116.034	116.272	116.537	MEAN

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 45 34 09 N
LONG 67 35 41 W REGULATED SINCE 1967

SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1967	---	---	---	1967
1968	117.491 AT 1715 AST ON JUN 1	117.485 ON JUN 1	114.702 ON MAR 25	1968
1970	117.618 AT 0115 AST ON MAY 7	117.604 ON FEB 12	115.827 ON DEC 31	1970
1971	117.618 AT 1015 AST ON MAY 6	117.603 ON MAY 6	114.151 ON NOV 25 *	1971
1972	117.587 AT 1630 AST ON MAY 23	117.566 ON MAY 23	114.348 ON JAN 2	1972
1973	117.776 AT 1141 AST ON MAY 1 *	117.769 ON MAY 1 *	115.199 ON DEC 6	1973
1974	117.613 AT 0152 AST ON MAY 2	117.571 ON MAY 2	115.763 ON FEB 19	1974
1975	117.484 AT 1100 AST ON JUN 19	117.466 ON JUN 19	115.233 ON MAR 19	1975
1976	117.601 AT 1753 AST ON MAY 19	117.580 ON MAY 21	115.398 ON DEC 26	1976
1977	117.577 AT 1443 AST ON JUN 13	117.571 ON JUN 13	114.705 ON MAR 13	1977
1978	117.558 AT 0018 AST ON JAN 18	117.549 ON JAN 15	115.047 ON MAR 21	1978
1979	117.594 AT 1836 AST ON APR 30	117.588 ON APR 30	115.189A ON JAN 1	1979
1980	117.212 AT 0230 AST ON DEC 17	117.199 ON DEC 17	115.101 ON MAR 14	1980
1981	117.631 AT 0343 AST ON APR 15	117.635 ON APR 12	116.027 ON SEP 18	1981
1982	117.434 AT 0157 AST ON APR 30	117.427 ON APR 30	115.347 ON MAR 22	1982
1983	117.517 AT 2130 AST ON JUN 6	117.497 ON JUN 6	114.860 ON NOV 6	1983

WATER LEVELS REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOVA SCOTIA

KEJIMKUJIK LAKE - STATION NO. 01ED006

MONTHLY AND ANNUAL MEAN WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	1.490	1.185	1.023	1.738	1.384	0.932	0.678	0.611	0.530	0.587	1.037	1.372	1.026	1969
1970	1.347	1.327	0.828	1.435	1.185	1.041	0.720	0.734	0.908	1.120	1.258	1.197	1.067	1970
1971	1.025	1.493	1.602	1.745	1.414	1.032	0.632	0.707	0.812	0.687	0.775	1.480	1.098	1971
1972	1.468	1.140	1.472	1.680	1.748	1.137	0.885	0.823	0.618	0.846	1.278	1.596	1.178	1972
1973	1.317	1.436	1.418	1.387	1.380	1.182	1.388	1.220	0.812	0.804	0.838	1.428	1.193	1973
1974	1.273	1.382	1.808	1.388	0.883	1.047	0.798	0.628	0.607	1.082	1.333	1.488	1.148	1974
1975	1.287	1.031	1.126	1.558	1.227	0.908	0.632	0.541	0.532	0.612	1.188	1.613	1.038	1975
1976	1.584	1.583	1.401	1.401	1.486	0.924	1.186	0.848	0.705	0.992	1.320	1.305	1.228	1976
1977	1.366	1.102	1.368	1.726	1.144	1.088	0.823	0.978	0.881	1.041	1.317	1.425	1.262	1977
1978	1.785	1.327	0.825	1.545	1.188	0.678	0.539	0.467	0.383	0.454	0.717	0.843	0.834	1978
1979	1.657	1.444	1.888	1.481	1.225	1.188	0.743	0.988	0.885	1.173	1.467	1.324	1.289	1979
1980	---	---	1.239	1.508	1.071	0.728	0.672	0.581	0.436	0.810	---	1.520	---	1980
1981	1.223	1.538	1.402	1.582	1.102	0.872	0.648	0.388	0.647	0.648	1.457	1.704	1.180	1981
1982	---	---	---	1.548	1.300	0.778	0.858	0.755	0.858	0.574	0.857	1.103	---	1982
1983	1.348	1.139	1.414	1.483	1.300	1.089	0.898	0.559	0.619	0.580	0.883	---	---	1983
MEAN	1.373	1.315	1.330	1.526	1.283	0.986	0.818	0.738	0.687	0.842	1.108	1.388	1.138	MEAN

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LOCATION - LAT 44 22 58 N
LONG 65 12 23 W NATURAL FLOW

KEJIMKUJIK LAKE - STATION NO. 01ED006

ANNUAL EXTREMES OF WATER LEVELS IN METRES FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS WATER LEVEL	MAXIMUM DAILY WATER LEVEL	MINIMUM DAILY WATER LEVEL	YEAR
1969	1.936 AT 2359 AST ON DEC 30	1.939 ON DEC 30	0.512 ON SEP 28	1969
1970	1.926 AT 0001 AST ON JAN 1	1.911 ON JAN 1	0.573 ON AUG 11	1970
1971	2.143 AT 1815 AST ON APR 18	2.143 ON APR 18	0.555 ON AUG 11	1971
1972	1.996 AT 0114 AST ON MAY 8	1.990 ON MAY 8	0.482 ON SEP 28	1972
1973	1.785 AT 2100 AST ON MAR 21	1.788 ON MAR 21	0.552 ON OCT 26	1973
1974	---	1.780 ON MAR 1	0.570 ON AUG 17	1974
1975	---	1.905E ON DEC 31	0.486 ON SEP 1	1975
1976	---	1.905E ON JAN 1	0.643 ON SEP 5	1976
1977	2.094 AT 0418 AST ON APR 10	2.088 ON APR 9	0.758 ON SEP 13	1977
1978	2.237 AT 0930 AST ON JAN 18	2.234 ON JAN 18	0.384 ON SEP 8 *	1978
1979	2.380 AT 1045 AST ON MAR 18 *	2.366 ON MAR 18 *	0.843 ON JUL 27	1979
1980	---	---	---	1980
1981	---	1.922 ON APR 9	0.582 ON SEP 23	1981
1982	---	---	---	1982
1983	1.822 AT 1541 AST ON MAR 25	1.818 ON MAR 25	0.503 ON AUG 30	1983

WATER LEVELS REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NAME	STATION NO.	PAGE
NEWFOUNDLAND AND LABRADOR		
CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS	03BE007	1
CHURCHILL RIVER BELOW GULL ISLAND RAPIDS	03BE008	1
CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS	03BE004	1
CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS	03BE005	1
MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION	03DA002	2
NEW BRUNSWICK		
EAST GRAND LAKE AT FOREST CITY	01AR009	3
FRENCH LAKE AT LAKEVILLE CORNER	01AD010	3
GRAND FALLS LAKE AT GRAND FALLS	01AR013	4
GRAND LAKE AT NEWCASTLE CREEK	01AD003	4
JEMSEG RIVER AT JEMSEG	01AD004	5
MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC	01AD007	5
SAINT JOHN RIVER AT EDMUNDSTON	01AD004	6
SAINT JOHN RIVER AT FREDERICTON	01AK003	6
SAINT JOHN RIVER AT HARTLAND	01AJ005	7
SAINT JOHN RIVER AT HARTLAND SALMON POOL	01AJ008	8
SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION	01AK009	8
SAINT JOHN RIVER AT MAUGERVILLE	01AD002	9
SAINT JOHN RIVER AT OAK POINT	01AP003	10
SAINT JOHN RIVER AT GROMOCTO	01AD001	12
SAINT JOHN RIVER AT SAINT JOHN	01AP005	13
SAINT JOHN RIVER AT SIMONDS	01AJ006	13
SAINT JOHN RIVER AT WOODSTOCK	01AJ002	14
SAINT JOHN RIVER BELOW MACTAQUAC	01AK004	14
SPEDNIC LAKE AT ST. CROIX	01AR010	14
NOVA SCOTIA		
KEJIMKUJIK LAKE	01ED006	15

STATION NO.	NAME	PAGE
	NEWFOUNDLAND AND LABRADOR	
03BA002	MENIHEK LAKE AT MENIHEK RAPIDS GENERATING STATION	2
03BE004	CHURCHILL RIVER BELOW LOWER MUSKRAT FALLS	1
03BE005	CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS	1
03BE006	CHURCHILL RIVER BELOW GULL ISLAND RAPIDS	1
03BE007	CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS	1
	NEW BRUNSWICK	
01AB004	SAINT JOHN RIVER AT EDMUNDSTON	8
01AJ002	SAINT JOHN RIVER AT WOODSTOCK	14
01AJ005	SAINT JOHN RIVER AT HARTLAND	7
01AJ006	SAINT JOHN RIVER AT HARTLAND SALMON POOL	8
01AJ009	SAINT JOHN RIVER AT SIMONDS	13
01AK003	SAINT JOHN RIVER AT FREDERICTON	6
01AK004	SAINT JOHN RIVER BELOW MACTAQUAC	14
01AK008	SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION	8
01AQ001	SAINT JOHN RIVER AT DROMOCTO	12
01AQ002	SAINT JOHN RIVER AT MAUGERVILLE	9
01AQ003	GRAND LAKE AT NEWCASTLE CREEK	4
01AQ004	JEMSEG RIVER AT JEMSEG	5
01AQ010	FRENCH LAKE AT LAKEVILLE CORNER	3
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01AQ007	MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC	9
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01AR010	SPEDNIC LAKE AT ST. CROIX	14
01AR013	GRAND FALLS LAKE AT GRAND FALLS	4
	NOVA SCOTIA	
01ED006	KEJIMKUJIK LAKE	10

POOR

QUALITY

ORIGINAL